

TITLE

MULTILOBAL HOLLOW FILAMENT CARPET YARN HAVING
STIFFENING RIBS AND STIFFENING WEBS AND SPINNERET FOR

5

PRODUCING THE SAME

ABSTRACT OF THE INVENTION

A hollow thermoplastic synthetic polymer filament
carpet yarn includes a core portion having N number
10 (typically, three or four) lobes joined thereto.
Stiffening ribs are formed in the core portion. The
stiffening ribs cooperate to define at least N hollow
regions in the core portion. The hollow regions may
communicate or be isolated from each other. Each lobe
15 has at least one transverse-stiffening web therein that
prevents the lobe lateral edges from being deformed
towards the exterior of the filament. The major
portion of each lateral edge of each lobe may be
substantially linear or convexly curved over
20 substantially its entire length.

A spinneret plate for producing the filament is
also disclosed.